

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/577,642  
Source: IFW0  
Date Processed by STIC: 05/12/2006

# ***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

Serial Number: 10/577, 642

CRF Edit Date: 05/12/2006  
Edited by: DA

\_\_\_ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

\_\_\_ **Corrected the SEQ ID NO. Sequence numbers edited were:**

\_\_\_\_\_

\_\_\_ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

\_\_\_\_\_

\_\_\_ **Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers**

\_\_\_ **Inserted mandatory headings/numeric identifiers, specifically:**

\_\_\_\_\_

\_\_\_ **Moved responses to same line as heading/numeric identifier, specifically:**

\_\_\_\_\_

\_\_\_ **Other:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

DATE: 05/12/2006

PATENT APPLICATION: US/10/577,642

TIME: 10:59:52

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05122006\0577642.raw

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4 <110> APPLICANT: Aukerman, Lea
5     Long, Li
6     Luqman, Mohammad
7     Yabannavar, Asha
8     Zaror, Isabel
10 <120> TITLE OF INVENTION: Use of Antagonist Anti-CD40 Monoclonal
11     Antibodies for Treatment of Chronic Lymphocytic Leukemia
14 <130> FILE REFERENCE: PP22708.002 (284267)
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/577,642
C--> 16 <141> CURRENT FILING DATE: 2006-01-05
16 <150> PRIOR APPLICATION NUMBER: 60/611,794
17 <151> PRIOR FILING DATE: 2004-09-21
19 <150> PRIOR APPLICATION NUMBER: 60/565,710
20 <151> PRIOR FILING DATE: 2004-04-27
22 <150> PRIOR APPLICATION NUMBER: 60/525,579
23 <151> PRIOR FILING DATE: 2003-11-26
25 <150> PRIOR APPLICATION NUMBER: 60/517,337
26 <151> PRIOR FILING DATE: 2003-11-04
28 <160> NUMBER OF SEQ ID NOS: 12
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 720
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Coding sequence for light chain of CHIR-12.12
39     human anti-CD40 antibody
W--> 41 <221> NAME/KEY: CDS
42 <222> LOCATION: (1)...(720)
W--> 44 <400> 1
45 atg gcg ctc cct gct cag ctc ctg ggg ctg cta atg ctc tgg gtc tct   48
46 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
47 1             5             10             15
49 gga tcc agt ggg gat att gtg atg act cag tct cca ctc tcc ctg acc   96
50 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
51             20             25             30
53 gtc acc cct gga gag ccg gcc tcc atc tcc tgc agg tcc agt cag agc   144
54 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
55             35             40             45
57 ctc ctg tat agt aat gga tac aac tat ttg gat tgg tac ctg cag aag   192
58 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
59             50             55             60
61 cca ggg cag tct cca cag gtc ctg atc tct ttg ggt tct aat cgg gcc   240

```

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TIME: 10:59:52

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62 Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala
63 65 70 75 80
65 tcc ggg gtc cct gac agg ttc agt ggc agt gga tca ggc aca gat ttt 288
66 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
67 85 90 95
69 aca ctg aaa atc agc aga gtg gag gct gag gat gtt ggg gtt tat tac 336
70 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
71 100 105 110
73 tgc atg caa gct cga caa act cca ttc act ttc ggc cct ggg acc aaa 384
74 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
75 115 120 125
77 gtg gat atc aga cga act gtg gct gca cca tct gtc ttc atc ttc ccg 432
78 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
79 130 135 140
81 cca tct gat gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg 480
82 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
83 145 150 155 160
85 ctg aat aac ttc tat ccc aga gag gcc aaa gta cag tgg aag gtg gat 528
86 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
87 165 170 175
89 aac gcc ctc caa tcg ggt aac tcc cag gag agt gtc aca gag cag gac 576
90 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
91 180 185 190
93 agc aag gac agc acc tac agc ctc agc agc acc ctg acg ctg agc aaa 624
94 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
95 195 200 205
97 gca gac tac gag aaa cac aaa gtc tac gcc tgc gaa gtc acc cat cag 672
98 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
99 210 215 220
101 ggc ctg agc tcg ccc gtc aca aag agc ttc aac agg gga gag tgt tag 720
102 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys *
103 225 230 235
107 <210> SEQ ID NO: 2
108 <211> LENGTH: 239
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Light chain of CHIR-12.12 human anti-CD40 antibody
115 <400> SEQUENCE: 2
116 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
117 1 5 10 15
118 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
119 20 25 30
120 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
121 35 40 45
122 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
123 50 55 60
124 Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala
125 65 70 75 80

```

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PATENT APPLICATION: US/10/577,642

TIME: 10:59:52

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05122006\J577642.raw

```

126 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
127           85                      90                      95
128 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
129           100                      105                      110
130 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
131           115                      120                      125
132 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
133           130                      135                      140
134 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
135           145                      150                      155                      160
136 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
137           165                      170                      175
138 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
139           180                      185                      190
140 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
141           195                      200                      205
142 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
143           210                      215                      220
144 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
145           225                      230                      235
148 <210> SEQ ID NO: 3
149 <211> LENGTH: 2016
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Coding sequence for heavy chain of CHIR-12.12
155     human anti-CD40 antibody (with introns)
157 <400> SEQUENCE: 3
158 atggagtttg ggctgagctg ggttttcctt gttgctattt taagaggtgt ccagtgtcag 60
159 gtgcagtttg tggagtcttg gggaggcctg gtccagcctg ggaggtccct gagactctcc 120
160 tgtgcagcct ctggattcac cttcagtagc tatggcatgc actgggtccg ccaggctcca 180
161 ggcaaggggg tggagtgggt ggcagttata tcatatgagg aaagtaatag ataccatgca 240
162 gactccgtga agggccgatt caccatctcc agagacaatt ccaagatcac gctgtatctg 300
163 caaatgaaca gcctcagaac tgaggacacg gctgtgtatt actgtgcgag agatgggggt 360
164 atagcagcac ctgggcctga ctactggggc cagggaaccc tggtcaccgt ctctcagca 420
165 agtaccaagg gcccatccgt cttccccctg gcgcccgtca gcaagagcac ctctgggggc 480
166 acagcggccc tgggctgcct ggtcaaggac tacttccccg aaccggtgac ggtgtcgtgg 540
167 aactcaggcg ccctgaccag cggcgtgcac accttccccg ctgtcctaca gtcctcagga 600
168 ctctactccc tcagcagcgt ggtgaccgtg ccctccagca gcttgggcac ccagacctac 660
169 atctgcaacg tgaatcacia gccagcaaac accaaggtgg acaagagagt tggtgagagg 720
170 ccagcacagg gagggagggt gtctgctgga agccaggctc agcgtcctg cctggacgca 780
171 tcccggctat gcagtccag tccagggcag caaggcaggc cccgtctgcc tcttcacccg 840
172 gaggcctctg cccgccccac tcatgctcag ggagagggtc ttctggcttt tccccaggc 900
173 tctgggcagg cacaggctag gtgcccctaa cccaggccct gcacacaaag gggcagggtc 960
174 tgggctcaga cctgccaaga gccatatccg ggaggacct gcccctgacc taagcccacc 1020
175 ccaaaggcca aactctccac tccctcagct cggacacct ctctcctccc agattccagt 1080
176 aactcccaat cttctctctg cagagcccaa atcttgtgac aaaactcaca catgcccacc 1140
177 gtgcccaggt aagccagccc aggcctcgcc ctccagctca aggcgggaca ggtgccttag 1200
178 agtagcctgc atccagggac aggccccagc cgggtgctga cacgtccacc tccatctctt 1260

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## RAW SEQUENCE LISTING

DATE: 05/12/2006

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TIME: 10:59:52

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05122006\J577642.raw

```

179 cctcagcacc tgaactcctg ggggggaccgt cagtcttctt cttcccccca aaacccaagg 1320
180 acaccctcat gatctcccg g acccctgagg tcacatgcgt ggtggtggac gtgagccacg 1380
181 aagaccctga ggtcaagttc aactggtacg tggacggcgt ggaggtgcat aatgccaaaga 1440
182 caaagccgcg ggaggagcag tacaacagca cgtaccgtgt ggtcagcgtc ctcaccgtcc 1500
183 tgcaccagga ctggctgaat ggcaaggagt acaagtgcaa ggtctccaac aaagccctcc 1560
184 cagcccccat cgagaaaacc atctccaaag ccaaagggtg gaccctggg gtgcgagggc 1620
185 cacatggaca gaggccggct cggcccaccc tctgccctga gagtgaccgc tgtaccaacc 1680
186 tctgtcccta caggccagcc ccgagaacca caggtgtaca ccctgccccc atccccgggag 1740
187 gagatgacca agaaccagggt cagcctgacc tgccctggtca aaggcttcta tcccagcgac 1800
188 atcgccgtgg agtgggagag caatgggcag ccggagaaca actacaagac cagcctccc 1860
189 gtgctggact ccgacggctc cttcttcttc tatagcaagc tcaccgtgga caagagcagg 1920
190 tggcagcagg ggaacgtctt ctcattgctcc gtgatgcatg aggtctgca caaccactac 1980
191 acgcagaaga gcctctccct gtctccgggt aaatga 2016

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193 &lt;210&gt; SEQ ID NO: 4

194 &lt;211&gt; LENGTH: 469

195 &lt;212&gt; TYPE: PRT

196 &lt;213&gt; ORGANISM: Artificial Sequence

198 &lt;220&gt; FEATURE:

199 &lt;223&gt; OTHER INFORMATION: Heavy chain of CHIR-12.12 human anti-CD40 antibody

201 &lt;400&gt; SEQUENCE:

```

202 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly
203 1 5 10 15
204 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
205 20 25 30
206 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
207 35 40 45
208 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
209 50 55 60
210 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala
211 65 70 75 80
212 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile
213 85 90 95
214 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val
215 100 105 110
216 Tyr Tyr Cys Ala Arg Asp Gly Gly Ile Ala Ala Pro Gly Pro Asp Tyr
217 115 120 125
218 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
219 130 135 140
220 Pro Ser Val Phe Pro Leu Ala Pro Ala Ser Lys Ser Thr Ser Gly Gly
221 145 150 155 160
222 Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
223 165 170 175
224 Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
225 180 185 190
226 Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
227 195 200 205
228 Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val
229 210 215 220
230 Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys

```

## RAW SEQUENCE LISTING

DATE: 05/12/2006

PATENT APPLICATION: US/10/577,642

TIME: 10:59:52

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05122006\J577642.raw

```

231 225          230          235          240
232 Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
233          245          250          255
234 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
235          260          265          270
236 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
237          275          280          285
238 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
239          290          295          300
240 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
241 305          310          315          320
242 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
243          325          330          335
244 Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
245          340          345          350
246 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
247          355          360          365
248 Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln
249          370          375          380
250 Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
251 385          390          395          400
252 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
253          405          410          415
254 Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
255          420          425          430
256 Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
257          435          440          445
258 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
259          450          455          460
260 Leu Ser Pro Gly Lys
261 465
264 <210> SEQ ID NO: 5
265 <211> LENGTH: 469
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Heavy chain of variant of CHIR-12.12 human
271 anti-CD40 antibody
273 <400> SEQUENCE: 5
274 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly
275 1 5 10 15
276 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
277 20 25 30
278 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
279 35 40 45
280 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
281 50 55 60
282 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala
283 65 70 75 80

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/577,642

DATE: 05/12/2006

TIME: 10:59:53

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05122006\J577642.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:533 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11



Raw Sequence Listing before editing,  
for reference only



IFWO

## RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,642

TIME: 11:01:38

Input Set : A:\seq1st.txt

Output Set: N:\CRF4\05112006\J577642.raw

4 <110> APPLICANT: Aukerman, Lea  
 5 Long, Li  
 6 Luqman, Mohammad  
 7 Yabannavar, Asha  
 8 Zaror, Isabel  
 10 <120> TITLE OF INVENTION: Use of Antagonist Anti-CD40 Monoclonal  
 11 Antibodies for Treatment of Chronic Lymphocytic Leukemia  
 14 <130> FILE REFERENCE: PP22708.002 (284267)  
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/577,642  
 C--> 16 <141> CURRENT FILING DATE: 2006-05-01  
 16 <150> PRIOR APPLICATION NUMBER: 60/611,794  
 17 <151> PRIOR FILING DATE: 2004-09-21  
 19 <150> PRIOR APPLICATION NUMBER: 60/565,710  
 20 <151> PRIOR FILING DATE: 2004-04-27  
 22 <150> PRIOR APPLICATION NUMBER: 60/525,579  
 23 <151> PRIOR FILING DATE: 2003-11-26  
 25 <150> PRIOR APPLICATION NUMBER: 60/517,337  
 26 <151> PRIOR FILING DATE: 2003-11-04  
 28 <160> NUMBER OF SEQ ID NOS: 12  
 30 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
 Corrected Diskette Needed

Cp3-2)

## ERRORED SEQUENCES

708 <210> SEQ ID NO: 12  
 709 <211> LENGTH: 277  
 710 <212> TYPE: PRT  
 711 <213> ORGANISM: Homo sapiens  
 713 <400> SEQUENCE: 12  
 714 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu Thr  
 715 1 5 10 15  
 716 Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln Tyr Leu  
 717 20 25 30  
 718 Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln Lys Leu Val  
 719 35 40 45  
 720 Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu Pro Cys Gly Glu  
 721 50 55 60  
 722 Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr His Cys His Gln His  
 723 65 70 75 80  
 724 Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg Val Gln Gln Lys Gly Thr  
 725 85 90 95  
 726 Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu Glu Gly Trp His Cys Thr  
 727 100 105 110

## RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,642

TIME: 11:01:38

Input Set : A:\seq1st.txt

Output Set: N:\CRF4\05112006\J577642.raw

728 Ser Glu Ala Cys Glu Ser Cys Val Leu His Arg Ser Cys Ser Pro Gly  
729           115                           120                           125  
730 Phe Gly Val Lys Gln Ile Ala Thr Gly Val Ser Asp Thr Ile Cys Glu  
731           130                           135                           140  
732 Pro Cys Pro Val Gly Phe Phe Ser Asn Val Ser Ser Ala Phe Glu Lys  
733 145                           150                           155                           160  
734 Cys His Pro Trp Thr Ser Cys Glu Thr Lys Asp Leu Val Val Gln Gln  
735                           165                           170                           175  
736 Ala Gly Thr Asn Lys Thr Asp Val Val Cys Gly Pro Gln Asp Arg Leu  
737                           180                           185                           190  
738 Arg Ala Leu Val Val Ile Pro Ile Ile Phe Gly Ile Leu Phe Ala Ile  
739           195                           200                           205  
740 Leu Leu Val Leu Val Phe Ile Lys Lys Val Ala Lys Lys Pro Thr Asn  
741           210                           215                           220  
742 Lys Ala Pro His Pro Lys Gln Glu Pro Gln Glu Ile Asn Phe Pro Asp  
743 225                           230                           235                           240  
744 Asp Leu Pro Gly Ser Asn Thr Ala Ala Pro Val Gln Glu Thr Leu His  
745                           245                           250                           255  
746 Gly Cys Gln Pro Val Thr Gln Glu Asp Gly Lys Glu Ser Arg Ile Ser  
747           260                           265                           270  
748 Val Gln Glu Arg Gln  
749           275

E--> 751 12  
757 RTA01/2168232v1

deleted

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/577,642

DATE: 05/11/2006

TIME: 11:01:39

Input Set : A:\seq1st.txt

Output Set: N:\CRF4\05112006\J577642.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:533 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:751 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12